

THIN FILM TRANSISTOR AND USE OF SAME

Cross Reference to Related Applications

5 This application is a divisional of U.S. Application Serial No. 10/222,339, filed
NN August 15, 2002, *now US patent number 6,734,505* which claims priority of Japanese Serial No. 2001-256963, filed August
16, 2001.

Background of the Invention

10 The present invention relates to a thin film transistor including a so-called dual
gate structure for driving the thin film transistor by using a plurality of gate electrodes and
a method of manufacturing the thin film transistor. The present invention further relates
to a display device including the thin film transistor, and a method of driving the display
device.

15 An organic LED (light emitting diode) has a very high response speed and is a
self-emitting device, and thus, it is expected that the application of the organic LED to a
display device will allow providing an excellent flat display device having a wide
viewing angle. The application of the organic LED to the flat display device replaces a
liquid crystal display device. The above-mentioned organic LED is a current-driven
element and, thus, the achievement of high-resolution display requires a continuous feed
of a current through the organic LED element even during non-selection of a scanning
line.

20 FIG. 9 is a diagram showing a circuit configuration for driving an organic LED,
which has been heretofore proposed. The conventional circuit configuration shown in